

Professional conference for developers of high-load systems

15–16 december

Yerevan, Armenia
Armenia Marriott Hotel



Co-organizer

Yandex



**Turn off
the sound!**

Conference partners

Co-organizer

Yandex

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Gold partners

Manychat

Picsart

X5 Tech

Silver partners

 **AMERIABANK**

 **miro**

Bronze partners



IPONWEB


Build. Deploy. Succeed.



Program committee



**Andrey
Kvapil**



**Ivan
Evtuchovich**



**Konstantin
Osipov**



**Grigory
Petrov**



**Leon
Fayer**



**Ignas
Bagdonas**



**Vladislav
Shpilevoy**



**Roman
Boiko**



**Andrey
Leskin**



**Vasiliy
Pantyukhin**



**Bruce
Momjian**



**Christine
Momjian**

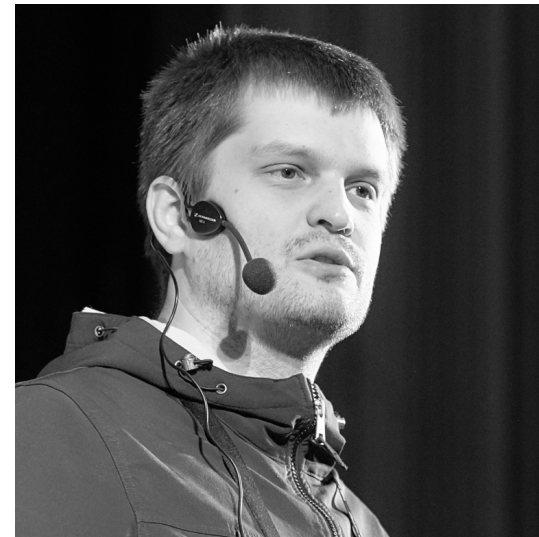
Program committee



**Nick
Shadrin**



**Ivan
Panchenko**



**Ivan
Kruglov**



**Artem
Gavrichenkov**



**Petr
Ermakov**



**Oleg
Bondar**



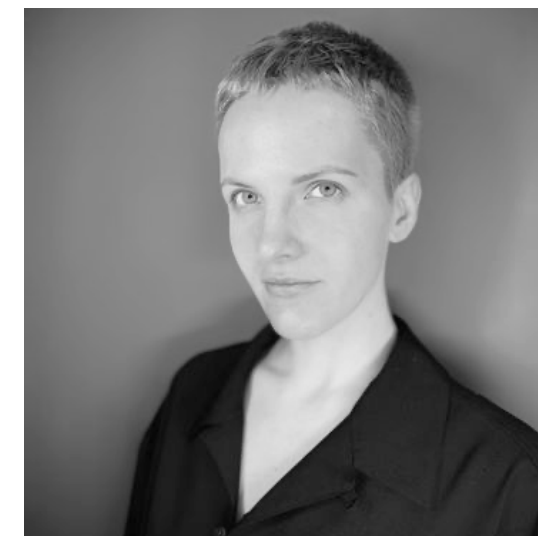
**Alexey
Shagraev**



**Anna
Ilyakhina**



**Valentin
Biryukov**



**Lisa
Tsareva**

Topics

**Architecture
& scalability**

**Databases
& storage
systems**

**DevOps &
Maintenance**

**Security &
DevSecOps**

**QA & Stress
testing**

**Internet
of Things**

**Architecture
& Design
patterns**

**BigData
& Machine
Learning**

**System
administration
& hardware**

**Backup
talks**

**Video & video
streaming**





**Neural
networks**


**Enterprise
Systems
Performance**

Schedule

4 talk halls

Exhibition schedule

15 December			
The number in the title stands for page number in the book			
 The most up-to-date schedule on the site: https://highload.am/2022/schedule			
01 Hall, Tigran	02 Hall, Ararat	03 Hall, Queen Erato	04 Hall, Ashot Yerkat
8:30 Registration			8:30
9:30 Opening ceremony			9:30
10:00	25. Designing a more efficient OLAP database data flow and architecture Chris Bohn (MicroFocus LTD)	27. 10 mistakes of a (high)load testing in 2022 Evgeny Potapov (DevOpsProdigy, USA)	29. Everyday Practical Vectorization Ignas Bagdonas (Equinix)
10:50	Break	Break	Break
11:10	31. NoSQL and transactions: getting the numbers out Konstantin Osipov (ScyllaDB)	32. The Role of API Testing and the Importance of API Automation Karen Mkhitarian (Aneriabank)	33. Theory of programming: packaging principles Alexander Makarov (ASAPIRL)
12:00	Break	Break	Break
12:10	Videos in Yandex and where to find them / Anton Kortunov (Yandex)		
12:20	35. How to choose a queue properly Monsi Anderson (TaranTool & VK Cloud)	36. How did we build rebalance into the distributed database architecture Vladislav Pyatkov (GridGain)	37. Designing the fastest ACID Key-Value Store Ashot Vardanian (Urumcloud)
13:10	Break	Break	Break
13:30	39. Evolution of Distributed Denial of Service attacks on the Internet: 1994 up to the present Edgar Mikayelyan (Qrator Labs)	41. PostgreSQL a journey from 0Tb to 40Tb in 4 years Jordan Pittier (Gorgias)	42. Machine Learning in the audio domain: when the neural network is overkill or where are the limits of lightweight models Roman Smirnov (Exness)
14:20	Break	Break	Break
14:40	45. How to handle with DDoS attack on CDN, MDM, Edge networks Vas Soshnikov (Quantil Inc.)	46. Moving beyond prototypes: Building resilience at scale in your IoT application Alma Orma (Amazon Web Services)	47. Fair threaded task scheduler verified in TLA+ Vladislav Shpilevoy (UbiSoft)
15:50	Break	Break	Break
15:50	51. Things they never tell you about video streaming Anton Kortunov (Yandex)	52. Push-notifications in RuStore: how we built an alternative transport to replace Google Firebase Kirill Alekseyev (Mail.Ru Email Service, VK)	53. An introduction to TiDB Daniël van Eeden (PingCAP)
16:40	Break	Break	Break
17:00	55. TTM as a main KPI: pain and humiliation Daniel Podolskiy (Microavia)	56. To Rust or not to Rust: 3 years in production with exchange matching engine Alik Kurdyukov (UnitedTraders)	57. Perception system of a truly autonomous truck Oleg Voropayev (Evocargo)
18:00	After-party		18:00
 Telegram-chat of hall 01 Tigran			
 Telegram-chat of hall 02 Ararat			
 Telegram-chat of hall 03 Queen Erato			
 Telegram-chat of hall 04 Ashot Yerkat			

16 December			
The number in the title stands for page number in the book			
 Online platform conf.ontico.pro/online/hl2022			
01 Hall, Tigran	02 Hall, Ararat	03 Hall, Queen Erato	04 Hall, Ashot Yerkat
10:00	59. Insider Threat: What is Social Engineering? Orux CONCEPTION (CRUX CONCEPTION)	61. Developing a best-in-class deprecation strategy for your features or products Addison Schultz (Miro)	62. Having cake and eating it too: painless and efficient cluster utilization for data scientists Artem Trofimov (CloudIL)
10:50	Break	Break	Break
11:10	64. Kafka architecture: performance Alexander Sibiriyakov (Zyte)	65. Blazing fast serverless with Rust Daniele Frasca (ProSiebenSat.1)	66. Not your ordinary CDN Andrei Vasilenkov (Yandex)
12:00	Break	Break	Break
12:10	YDB — Open Source Distributed SQL Database from Yandex / Oleg Bondar (Yandex)		
12:20	68. Cheats & mistakes to read and create SLAs Vasily Partuykhin (Veeva Lto)	69. Breaking license Artem Bachevsky (Independent expert)	70. ML experiment tracking with VSeode, Git and DVC Dmitry Petrov (Data Version Control (DVC))
13:10	Break	Break	Break
13:30	72. How we reduced logs costs by moving from Elasticsearch to Grafana Loki Igor Latkin (VEUP Lto)	73. The clashes of the titans — Usability vs. Security. Can they live together? Alon Kirati (Dropbox)	74. Machine learning in media services Anatoly Starostin (Yandex Plus Funtech)
14:20	Break	Break	Break
14:40	77. Transactional queues in PostgreSQL Igor Loban (Toloka.ai)	78. Lessons Learned from Running Infrastructure at Scale: Human Factors Chris Travers (DeliveryHero SE)	79. FPGAs Basic Principles: An Introduction to How It Works Lia Yepremyan (AMD Armenia)
15:50	Break	Break	Break
15:50	82. Building an open-source MongoDB-compatible database on top of PostgreSQL Alexey Palachchenko (FerretDB Inc)	83. Kafka for Golang developers: tips and tricks Denis Filippov (Coins.ph)	84. KubeVirt, its networking, and how we brought it to the next level Andrei Kvapil (kvaps) (Palark)
16:40	Break	Break	Break
17:00	86. How we cook Foundation DB Danil Grelson (OW Service)	87. Effective and Reliable Microservices Oleg Anisimayev (Odnoklassnik)	88. Karpenter: Efficient scaling of Kubernetes clusters Viktor Vedmich (AWS)
17:50	Closing ceremony		17:50
Architectures, scalability			
Databases and storage systems			
Big Data and Machine Learning			
Neural networks			
Enterprise Systems Performance			
Video, streaming video			
QA, stress testing			
Internet of Things			
DevOps and Maintenance			
System administration, hardware			
Security, DevSecOps			

Conference Partners

Co-organizer

Yandex

Yandex is a technology company that creates innovative products based on machine learning and neural networks. A team of talented mathematicians and programmers develops one of the most popular search engines and other services that help people in their everyday lives. Among its businesses are: search, advertising, ride-hailing, e-commerce, video/audio and streaming, self-driving and cloud. Yandex is also actively developing Open Source projects, such as CatBoost, Dinkit, YDB, Yandex.YaLM.

Gold partners

Manychat

ManyChat is a platform for automating business communications in Instagram Direct Messages, Facebook Messenger, WhatsApp, Telegram and Messenger. We have 1M+ customers, our backend processes half a billion events in a day and our platform powered 1B+ conversations last year.

Picsart

Picsart is the world's largest creative platform and a top 20 most downloaded app. Every month, the Picsart community creates, remixes, and shares billions of visual stories using the company's powerful and easy-to-use editing tools. Picsart has amassed one of the largest open-source content collections in the world, including free-to-edit photos, stickers, backgrounds, templates, and more. Picsart is available in 80 languages for free and as a subscription on iOS, Android, and Windows devices. Headquartered in Miami, Picsart has over 1000 employees working in multiple locations globally.

X5 Tech

X5 Tech is an IT company within X5 Group that serves as the main digital partner of the Group's retail chains and businesses. Its team of more than 5,500 specialists develop digital solutions that help tens of millions of customers find their favorite products — at peak freshness and at the best price — every day. Today, X5 Tech is focused on developing its own products and solutions independently of outside vendors.

Silver partners

miro

Miro is an online whiteboard platform for team collaboration. The platform's infinite canvas enables teams to lead engaging workshops and meetings, design products, brainstorm ideas, and more. Miro serves 45M+ users worldwide, more than 100,000 client organizations and 95% of the Fortune 100. Currently has more than 1700 employees in 12 hubs around the world.

Partners

Aneriabank is one of the largest financial-technological institutions of Armenia, continuously investing in new technology with clear focus on digital products and services. Aneriabank has been the first in the market which has launched digital ecosystem serving as one-stop shop for a broad range of banking and non-banking services.

Aneriabank offers comfortable and fastest financing to its customers and clients in all major areas, enabling them to go through the whole process, from account opening to receiving a card and applying for financing - in the online environment via its digital ecosystem.

Aneriabank's vision is to be a trusted financial technology space with seamless solutions to improve the quality of life.

Partners

IPONWEB

IPONWEB is the behind-the-scenes engineering powerhouse that helped lay the groundwork for how digital advertising is bought and sold today. Our technology processes huge volumes of data in mere milliseconds to help media buyers and sellers drive better advertising outcomes. We are a global company, with offices in London, New York, Berlin, Armenia, Singapore, Tokyo, and Cyprus.

KTS helps businesses create and develop digital products.

We focus on:

- Corporate web- and mobile services in HR/Tech and Ed/Tech;
- DevOps;
- Non-standard marketing projects;
- and custom development.

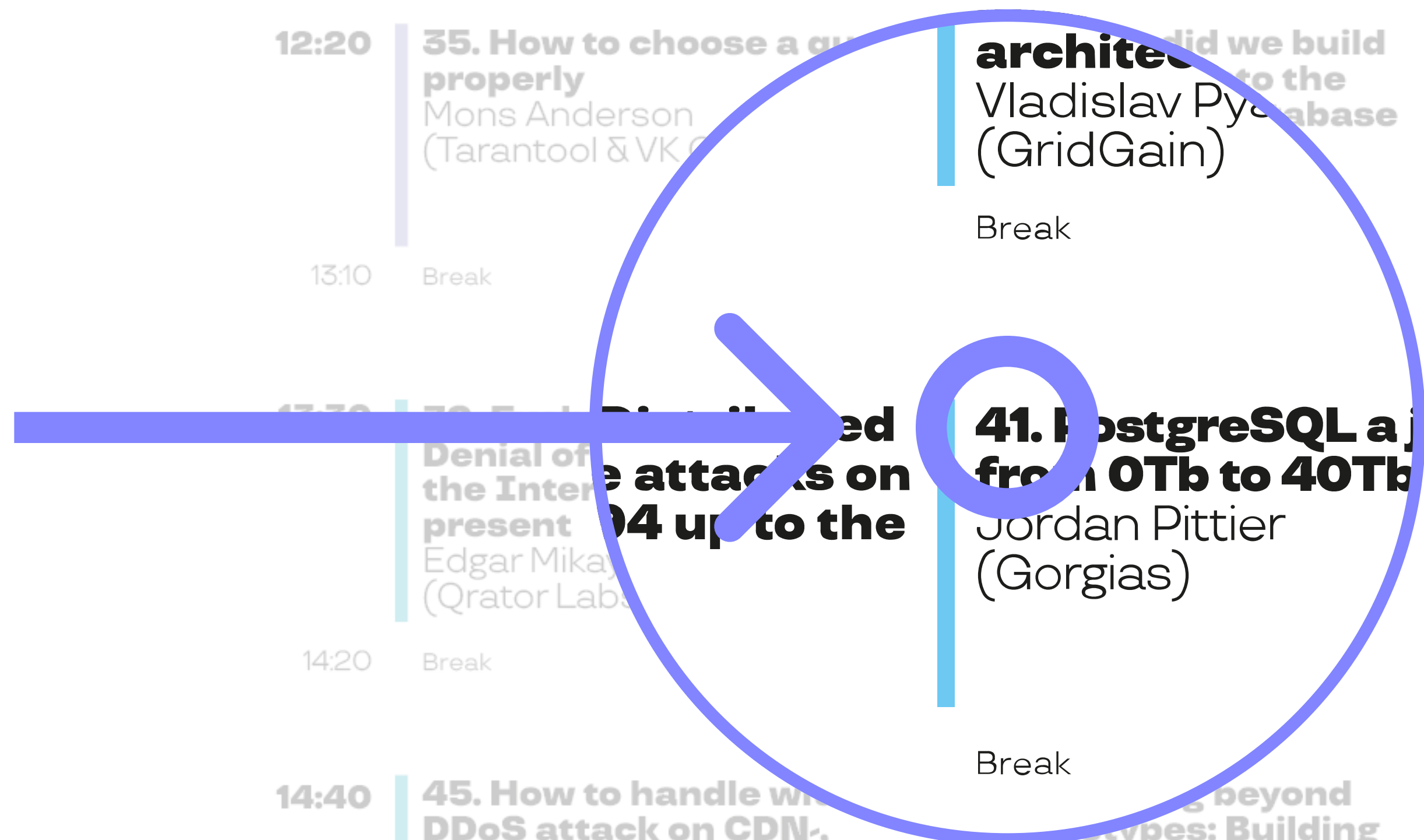
We have our own B2B products: multi-messenger chatbot builder and a custom learning management system.

MIOPS

MIOPS — team of experts who live and work in the philosophy of DevOps. We are specializing in the integrated implementation of proven DevOps technologies, project support by using the methodology of DevOps and 24/7 support for high-load systems.

Schedule

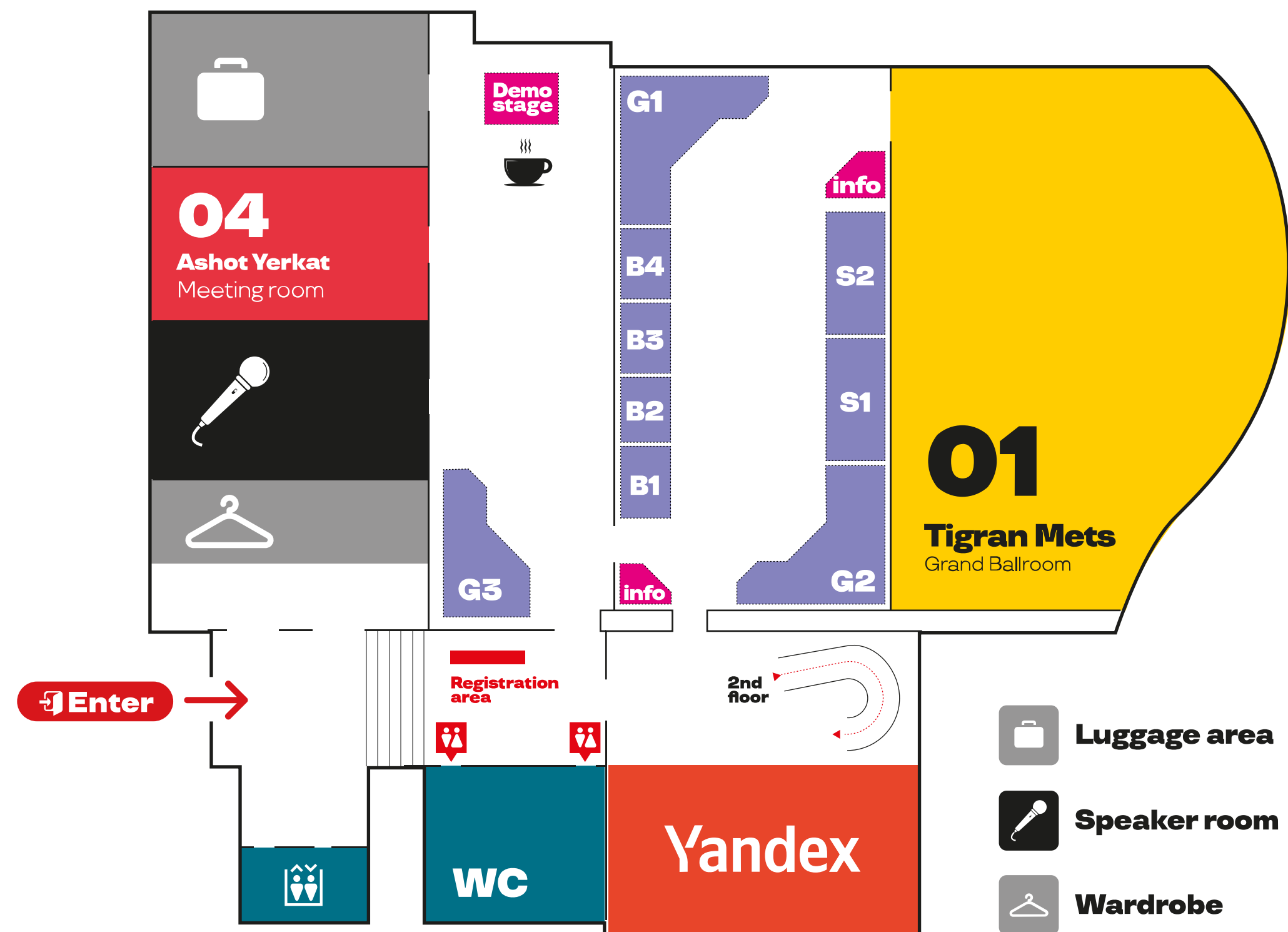
The number before
the title of the talk
is the page number
in the brochure



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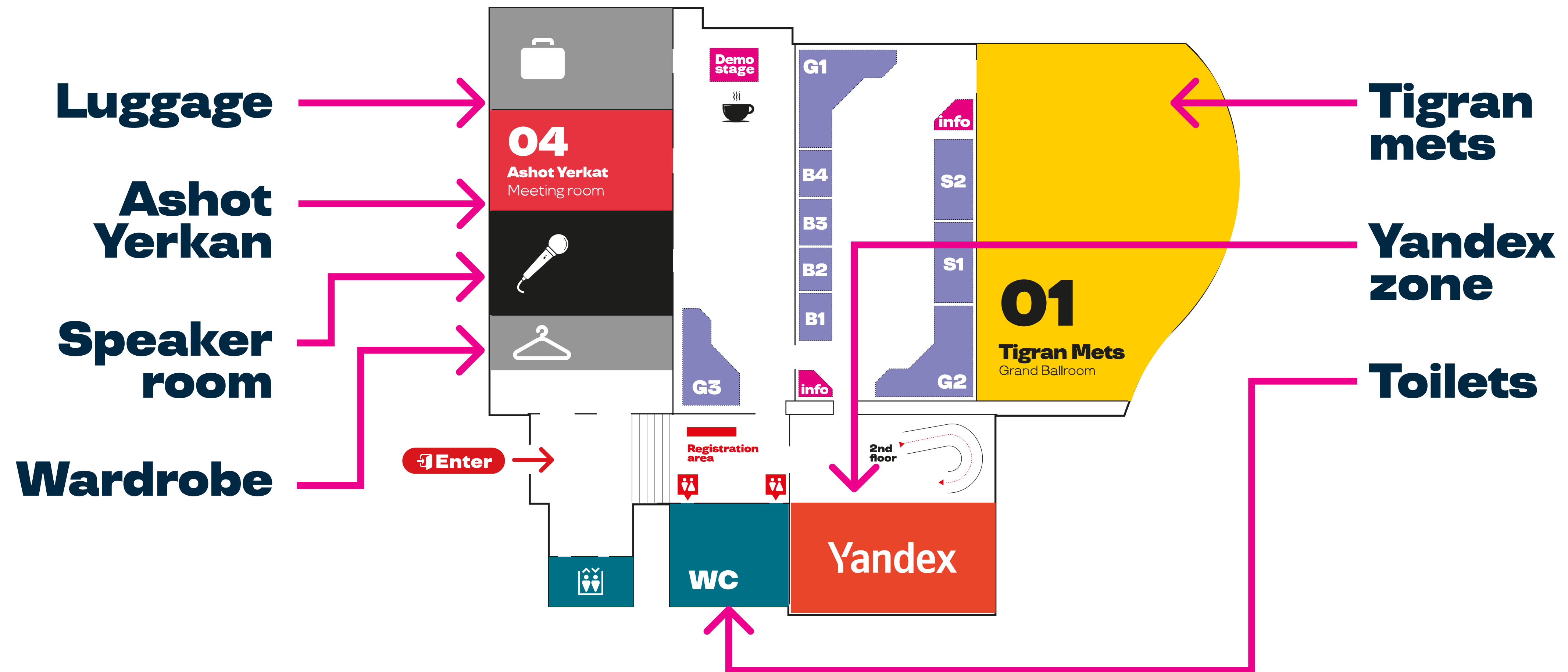
1st Floor



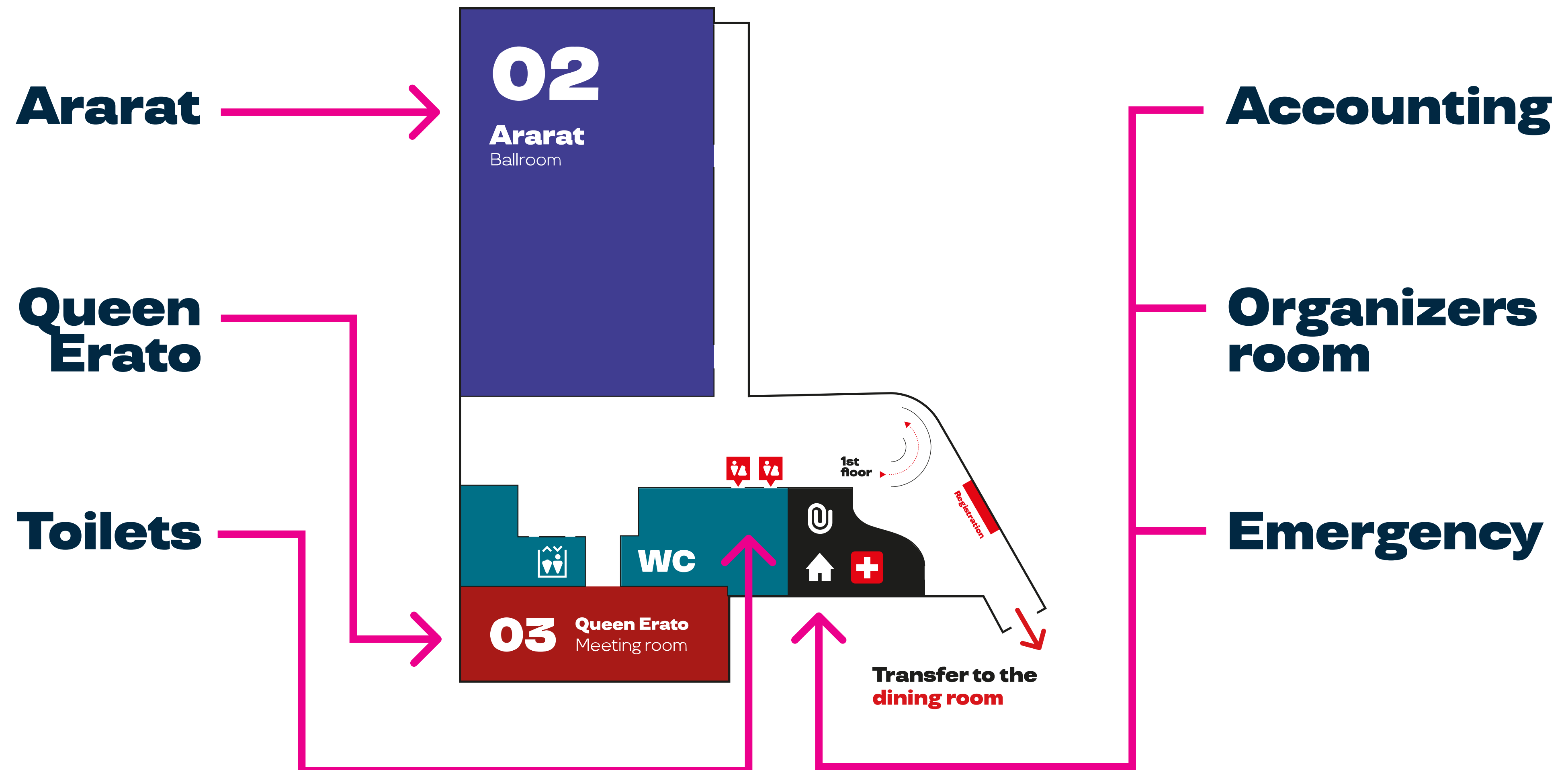
2nd Floor



1st floor



2nd floor

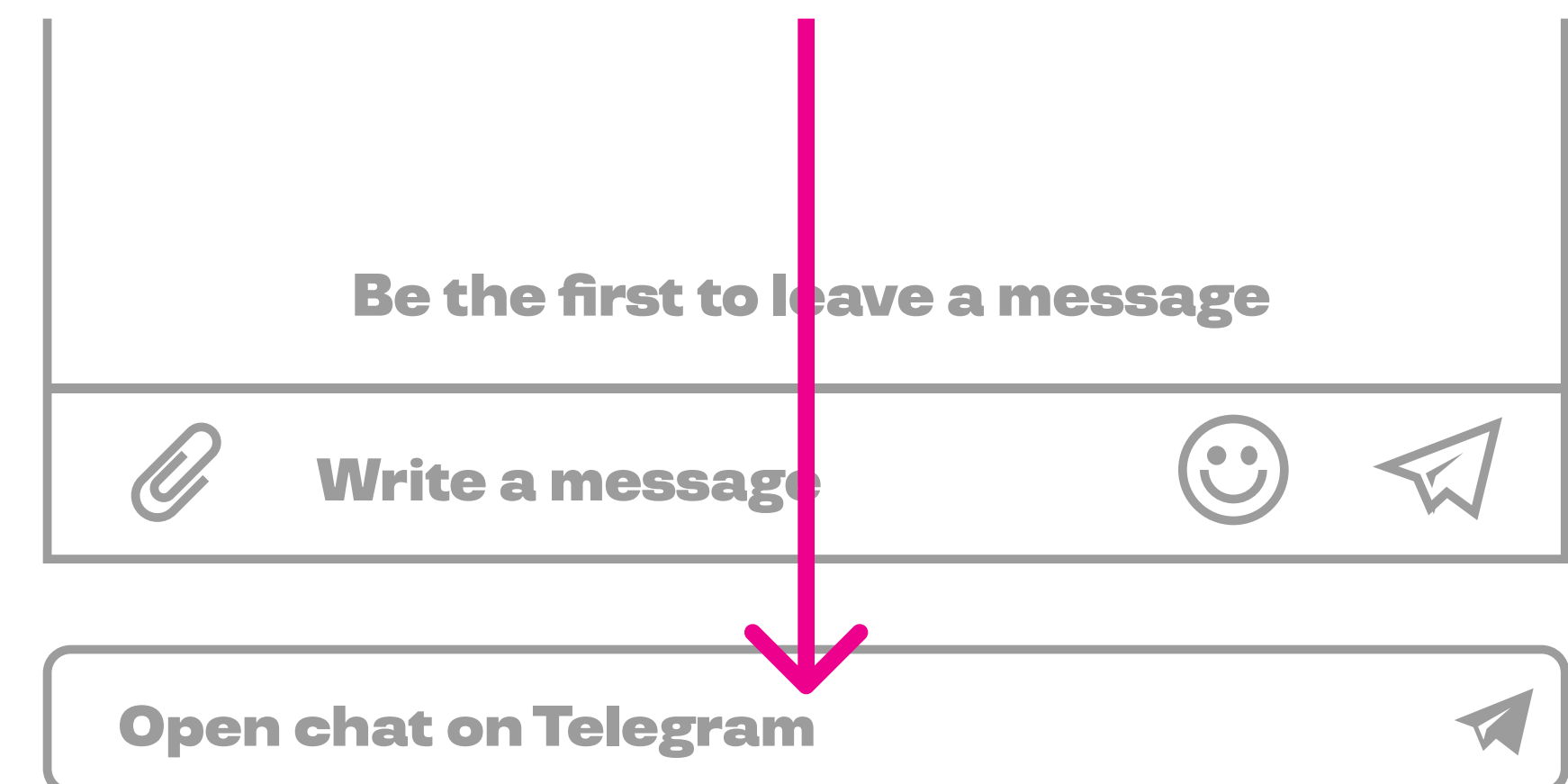


Questions in the hall

We combine offline and online!

There are 40-50 minutes
for talks and questions

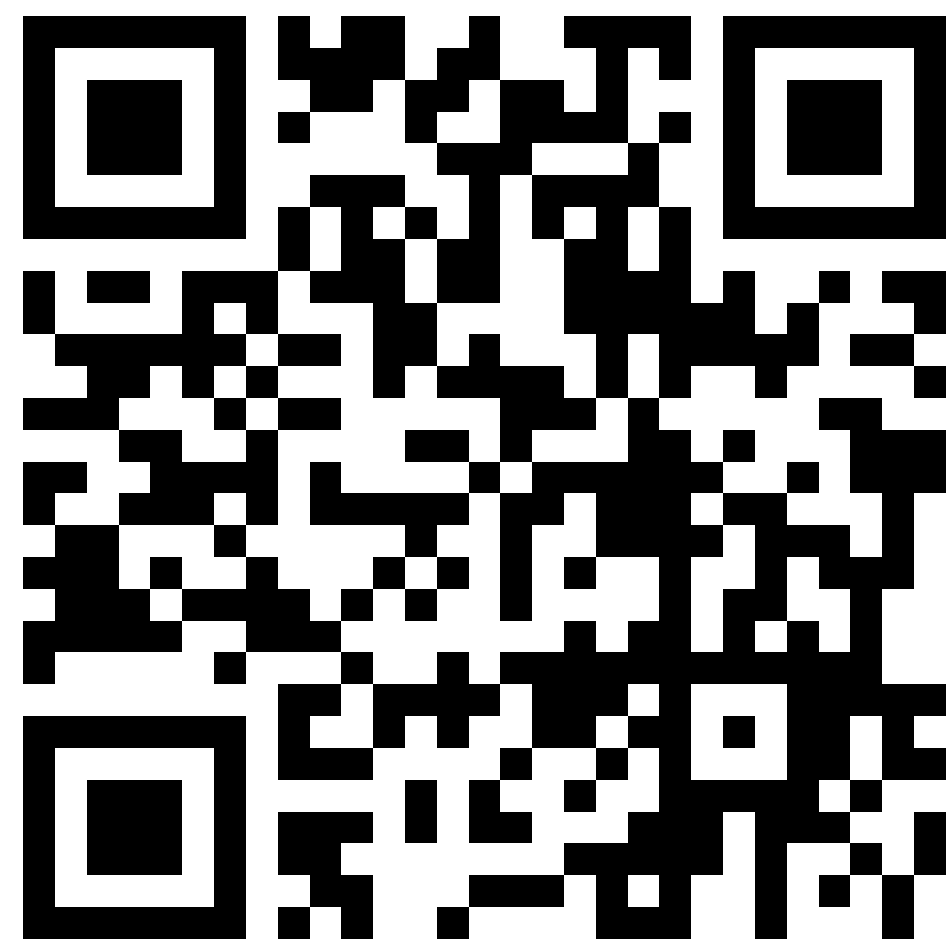
Online participants can ask
questions on the platform
in the chat next to the talk



Rate the talk

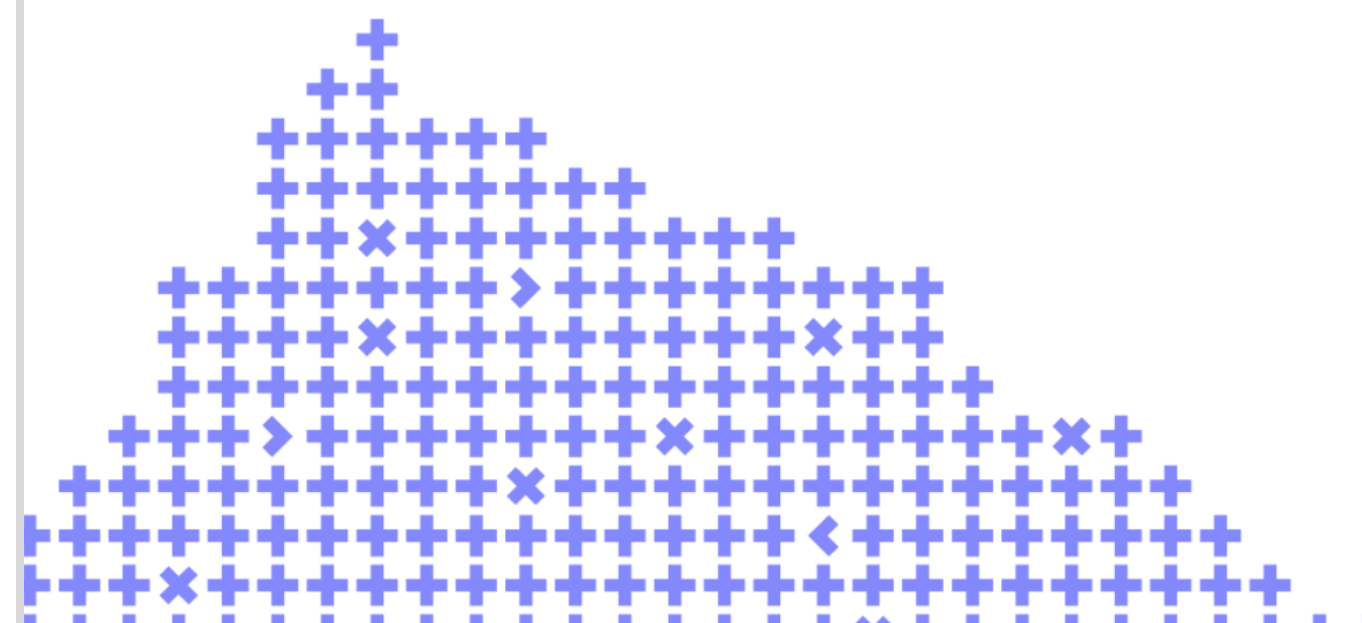
You can rate the talk right after the speaker's speech

Log in to your personal account from your phone



Leave your feedback!

You can rate the talk and give a feedback on what you've liked or what could be improved



Co-organizer
Yandex

Platform

Signing in to the platform just got easier



Point the camera at the voting QR code and follow the link

Personal Account

[Sign in](#) [Register](#)

Sign in

You can use your personal account to make payments or submit a paper. Your login is the e-mail you have submitted as an application. Your password has been sent to your e-mail address.

E-mail

Password

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For more information, please contact:

support@ontico.pro
Telegram: @HighLoadArmeniaSupport

For speakers: speakers@ontico.pro
For partners: partners@ontico.pro

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Press «Log in via badge»

Personal Account

Log in via badge

Code on your badge

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A one-time link to enter the platform is sent to your email yu***na@ontico.pro. If the letter did not arrive, write to us via Telegram [@HighLoadArmeniaSupport](https://t.me/HighLoadArmeniaSupport) or email support@ontico.pro

For more information, please contact:

support@ontico.pro
Telegram: @HighLoadArmeniaSupport

For speakers: speakers@ontico.pro
For partners: partners@ontico.pro

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Follow the link in the email

Congrats, you are in the system!

Telegram bot

Meet our telegram bot

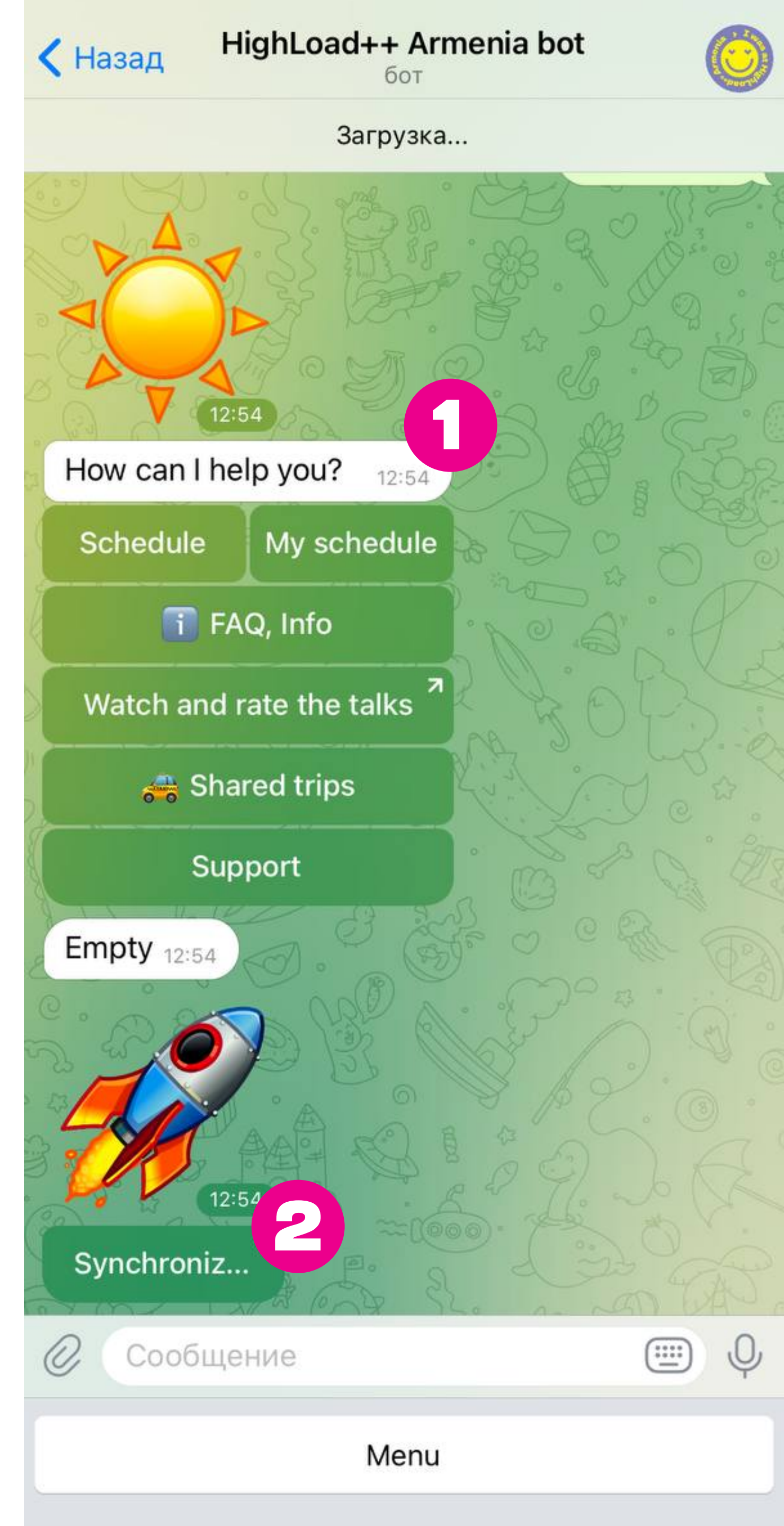
Reminders about selected reports come to the bot now

1 My schedule

2 Synchronize with the platform



@hl_arm_bot



Lunch

December 15

December 15 12:00-12:45

Food Voucher



Co-organizer
Yandex

December 15 12:45-13:30

Food Voucher



Co-organizer
Yandex

December 15 13:30-14:15

Food Voucher



Co-organizer
Yandex

December 15 14:15-15:00

Food Voucher



Co-organizer
Yandex

December 16

December 16 13:30-14:15

Food Voucher



Co-organizer
Yandex

December 16 12:00-12:45

Food Voucher



Co-organizer
Yandex

December 16 14:15-15:00

Food Voucher



Co-organizer
Yandex

December 16 12:00-12:45

Food Voucher



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**Visit the Ontico stand
and get prizes**

After-party



1st day of the conference
6 pm

Join us



@HighLoadArmenia



@HighLoadArmenia

@HighLoadArmeniaChat

@HighLoadArmeniaSupport

Professional conference for developers of high-load systems

15–16 december

Yerevan, Armenia
Armenia Marriott Hotel



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